

United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alcondria, Viginia 22313-1450
www.uppio.gov

Bib Data Sheet

CONFIRMATION NO. 5550

SERIAL NUMBER 10/664,359	FILING DATE 09/20/2003 RULE	CLASS 435	GROUP ART UNIT 1653	ATTORNEY DOCKET NO. PS903
-----------------------------	-----------------------------------	--------------	------------------------	---------------------------

APPLICANTS

Craig A. Rosen, Laytonsville, MD;

Steven M. Ruben, Brookeville, MD;



CONTINUING DATA ******

This application is a CIP of PCT/US02/08279 03/19/2002 which is a CIP of 10/100,683 03/19/2002 which claims benefit of 60/277,340 03/21/2001 and claims benefit of 60/306,171 07/19/2001 and claims benefit of 60/331,287 11/13/2001 and is a CIP of 09/981,876 10/19/2001 which is a DIV of 09/621,011 07/20/2000 PAT 6,878,687 which is a CON of 09/148.545 09/04/1998 PAT 6,590,075 which is a CIP of PCT/US98/04482 03/06/1998 and said 10/100,683 03/19/2002 is a CIP of 09/621,011 07/20/2000 PAT 6,878,687 which is a CON of 09/148,545 09/04/1998 PAT 6,590,075 which is a CIP of PCT/US98/04482 03/06/1998 and said 10/100,683 03/19/2002 is a CIP of 09/148.545 09/04/1998 PAT 6.590.075 which is a CIP of PCT/US98/04482 03/06/1998 and said 10/100,683 03/19/2002 is a CIP of PCT/US98/04482 03/06/1998 which claims benefit of 60/040,162 03/07/1997 and claims benefit of 60/040,333 03/07/1997 and claims benefit of 60/038,621 03/07/1997 and claims benefit of 60/040,161 03/07/1997 and claims benefit of 60/040,626 03/07/1997 and claims benefit of 60/040,334 03/07/1997 and claims benefit of 60/040,336 03/07/1997 and claims benefit of 60/040,163 03/07/1997 and claims benefit of 60/047,615 05/23/1997 and claims benefit of 60/047,600 05/23/1997 and claims benefit of 60/047,597 05/23/1997 and claims benefit of 60/047,502 05/23/1997 and claims benefit of 60/047,633 05/23/1997 and claims benefit of 60/047,583 05/23/1997 and claims benefit of 60/047,617 05/23/1997 and claims benefit of 60/047,618 05/23/1997 and claims benefit of 60/047,503 05/23/1997 and claims benefit of 60/047,592 05/23/1997 and claims benefit of 60/047,581 05/23/1997 and claims benefit of 60/047,584 05/23/1997

and claims benefit of 60/047,500 05/23/1997 and claims benefit of 60/047,587 05/23/1997 and claims benefit of 60/047,492 05/23/1997 dir

and claims benefit of 60/047,598 05/23/1997 and claims benefit of 60/047,613 05/23/1997 and claims benefit of 60/047,582 05/23/1997 and claims benefit of 60/047,596 05/23/1997 and claims benefit of 60/047.612 05/23/1997 and claims benefit of 60/047.632 05/23/1997 and claims benefit of 60/047,601 05/23/1997 and claims benefit of 60/043,580 04/11/1997 and claims benefit of 60/043,568 04/11/1997 and claims benefit of 60/043.314 04/11/1997 and claims benefit of 60/043,569 04/11/1997 and claims benefit of 60/043,311 04/11/1997 and said PCT/US98/04482 claims benefit of 60/043.671 04/11/1997 and claims benefit of 60/043,674 04/11/1997 and claims benefit of 60/043,669 04/11/1997 and claims benefit of 60/043,312 04/11/1997 and claims benefit of 60/043.313 04/11/1997 and claims benefit of 60/043.672 04/11/1997 and claims benefit of 60/043,315 04/11/1997 and claims benefit of 60/048,974 06/06/1997 and claims benefit of 60/056,886 08/22/1997 and claims benefit of 60/056,877 08/22/1997 and claims benefit of 60/056,889 08/22/1997 and claims benefit of 60/056,893 08/22/1997 and claims benefit of 60/056,630 08/22/1997 and claims benefit of 60/056,878 08/22/1997 and claims benefit of 60/056,662 08/22/1997 and claims benefit of 60/056,872 08/22/1997 and claims benefit of 60/056,882 08/22/1997 and claims benefit of 60/056,637 08/22/1997 and claims benefit of 60/056,903 08/22/1997 and claims benefit of 60/056,888 08/22/1997 and claims benefit of 60/056,879 08/22/1997 and claims benefit of 60/056,880 08/22/1997 and claims benefit of 60/056,894 08/22/1997 and claims benefit of 60/056,911 08/22/1997 and claims benefit of 60/056,636 08/22/1997 and claims benefit of 60/056,874 08/22/1997 and claims benefit of 60/056,910 08/22/1997 and claims benefit of 60/056,864 08/22/1997 and claims benefit of 60/056,631 08/22/1997 and claims benefit of 60/056,845 08/22/1997 and claims benefit of 60/056,892 08/22/1997 and claims benefit of 60/047,595 05/23/1997 and claims benefit of 60/057,761 09/05/1997 and claims benefit of 60/047,599 05/23/1997 and claims benefit of 60/047,588 05/23/1997 and claims benefit of 60/047,585 05/23/1997 and claims benefit of 60/047,586 05/23/1997 and claims benefit of 60/047,590 05/23/1997 and claims benefit of 60/047,594 05/23/1997 and claims benefit of 60/047,589 05/23/1997 and claims benefit of 60/047,593 05/23/1997 and claims benefit of 60/047,614 05/23/1997 and claims benefit of 60/043,578 04/11/1997 and claims benefit of 60/043.576 04/11/1997 and claims benefit of 60/047.501 05/23/1997 and claims benefit of 60/043,670 04/11/1997 and claims benefit of 60/056.632 08/22/1997 and claims benefit of 60/056,664 08/22/1997 and claims benefit of 60/056,876 08/22/1997 and claims benefit of 60/056,881 08/22/1997 and said PCT/US98/04482 claims benefit of 60/056,909 08/22/1997 and claims benefit of 60/056,875 08/22/1997 and claims benefit of 60/056,862 08/22/1997 and claims benefit of 60/056,887 08/22/1997

and claims benefit of 60/056,908 08/22/1997 and claims benefit of 60/048,964 06/06/1997 and claims benefit of 60/057,650 09/05/1997 and claims benefit of 60/056,884 08/22/1997 and said 10/100.683 is a CIP of 09/882,171 06/18/2001 which is a CON of 09/809,391 03/16/2001 ABN which is a CIP of 09/149,476 09/08/1998 PAT 6,420,526 which is a CIP of PCT/US98/04493 03/06/1998 and said 10/100,683 is a CIP of 09/809.391 03/16/2001 ABN which claims benefit of 60/190.068 03/17/2000 and is a CIP of 09/149.476 09/08/1998 PAT 6,420,526 which is a CIP of PCT/US98/04493 03/06/1998 and said 10/100,683 is a CIP of 09/149,476 09/08/1998 PAT 6,420,526 which is a CIP of PCT/US98/04493 03/06/1998 and said 10/100.683 is a CIP of PCT/US98/04493 03/06/1998 which claims benefit of 60/040,161 03/07/1997 and claims benefit of 60/040,162 03/07/1997 and claims benefit of 60/040,333 03/07/1997 and claims benefit of 60/038,621 03/07/1997 and claims benefit of 60/040,626 03/07/1997 and claims benefit of 60/040,334 03/07/1997 and claims benefit of 60/040,336 03/07/1997 and claims benefit of 60/040,163 03/07/1997 and claims benefit of 60/047,600 05/23/1997 and claims benefit of 60/047,615 05/23/1997 and claims benefit of 60/047,597 05/23/1997 and claims benefit of 60/047,502 05/23/1997 and claims benefit of 60/047,633 05/23/1997 and claims benefit of 60/047,583 05/23/1997 and claims benefit of 60/047,617 05/23/1997 and claims benefit of 60/047,618 05/23/1997 and claims benefit of 60/047,503 05/23/1997 and claims benefit of 60/047,592 05/23/1997 and claims benefit of 60/047,581 05/23/1997 and claims benefit of 60/047,584 05/23/1997 and claims benefit of 60/047,500 05/23/1997 and claims benefit of 60/047,587 05/23/1997 and claims benefit of 60/047,492 05/23/1997 and claims benefit of 60/047,598 05/23/1997 and claims benefit of 60/047,613 05/23/1997 and claims benefit of 60/047,582 05/23/1997 and claims benefit of 60/047,596 05/23/1997 and claims benefit of 60/047,612 05/23/1997 and claims benefit of 60/047,632 05/23/1997 and claims benefit of 60/047.601 05/23/1997 and claims benefit of 60/043,580 04/11/1997 and said PCT/US98/04493 claims benefit of 60/043,568 04/11/1997 and claims benefit of 60/043,314 04/11/1997 and claims benefit of 60/043,569 04/11/1997 and claims benefit of 60/043,311 04/11/1997 and said PCT/US98/04482 claims benefit of 60/043.671 04/11/1997 and said PCT/US98/04493 claims benefit of 60/043.674 04/11/1997 and claims benefit of 60/043,669 04/11/1997 and claims benefit of 60/043,312 04/11/1997 and claims benefit of 60/043,313 04/11/1997 and claims benefit of 60/043,672 04/11/1997 and claims benefit of 60/043,315 04/11/1997 and claims benefit of 60/048,974 06/06/1997 and claims benefit of 60/056,886 08/22/1997 and claims benefit of 60/056,877 08/22/1997

and claims benefit of 60/056,889 08/22/1997

```
and claims benefit of 60/056,893 08/22/1997
and claims benefit of 60/056,630 08/22/1997
and claims benefit of 60/056,878 08/22/1997
and claims benefit of 60/056,662 08/22/1997
and claims benefit of 60/056,872 08/22/1997
and claims benefit of 60/056,882 08/22/1997
and claims benefit of 60/056,637 08/22/1997
and claims benefit of 60/056,903 08/22/1997
and claims benefit of 60/056,888 08/22/1997
and claims benefit of 60/056,879 08/22/1997
and claims benefit of 60/056.880 08/22/1997
and claims benefit of 60/056,894 08/22/1997
and claims benefit of 60/056,911 08/22/1997
and claims benefit of 60/056,636 08/22/1997
and claims benefit of 60/056,874 08/22/1997
and claims benefit of 60/056,910 08/22/1997
and claims benefit of 60/056,864 08/22/1997
and claims benefit of 60/056.631 08/22/1997
and claims benefit of 60/056,845 08/22/1997
and claims benefit of 60/056,892 08/22/1997
and claims benefit of 60/057,761 09/05/1997
and claims benefit of 60/047,595 05/23/1997
and claims benefit of 60/047,599 05/23/1997
and claims benefit of 60/047.588 05/23/1997
and claims benefit of 60/047,585 05/23/1997
and claims benefit of 60/047,586 05/23/1997
and claims benefit of 60/047,590 05/23/1997
and claims benefit of 60/047,594 05/23/1997
and claims benefit of 60/047,589 05/23/1997
and claims benefit of 60/047,593 05/23/1997
and claims benefit of 60/047,614 05/23/1997
and claims benefit of 60/043,578 04/11/1997
and claims benefit of 60/043,576 04/11/1997
and claims benefit of 60/047,501 05/23/1997
and claims benefit of 60/043,670 04/11/1997
and said PCT/US98/04493
claims benefit of 60/056,632 08/22/1997
and claims benefit of 60/056,664 08/22/1997
and claims benefit of 60/056,876 08/22/1997
and claims benefit of 60/056,881 08/22/1997
and claims benefit of 60/056,909 08/22/1997
and claims benefit of 60/056,875 08/22/1997
and claims benefit of 60/056,862 08/22/1997
and claims benefit of 60/056,887 08/22/1997
and claims benefit of 60/056,908 08/22/1997
and claims benefit of 60/048,964 06/06/1997
and claims benefit of 60/057,650 09/05/1997
and claims benefit of 60/056,884 08/22/1997
and claims benefit of 60/057,669 09/05/1997
and claims benefit of 60/049,610 06/13/1997
and claims benefit of 60/061,060 10/02/1997
and claims benefit of 60/051,926 07/08/1997
and claims benefit of 60/052,874 07/16/1997
and claims benefit of 60/058,785 09/12/1997
and claims benefit of 60/055,724 08/18/1997
and said 10/100,683
is a CIP of 10/058,993 01/30/2002
which is a CIP of 09/852.659 05/11/2001 ABN
which claims benefit of 60/256,583 12/19/2000
and is a CIP of 09/152,060 09/11/1998 PAT 6,448,230
which is a CIP of PCT/US98/04858 03/12/1998
and said 10/058.993 01/30/2002
is a CIP of 09/853,161 05/11/2001
which is a CIP of 09/152,060 09/11/1998 PAT 6,448,230
which is a CIP of PCT/US98/04858 03/12/1998
and said 10/058,993 01/30/2002
is a CIP of 09/852,797 05/11/2001 PAT 6,878,806
which is a CIP of 09/152,060 09/11/1998 PAT 6,448,230
```

which is a CIP of PCT/US98/04858 03/12/1998 and said 10/100.683 01/30/2002 is a CIP of 09/852,659 05/11/2001 ABN which claims benefit of 60/256,583 12/19/2000 * and is a CIP of 09/152.060 09/11/1998 PAT 6.448,230 which is a CIP of PCT/US98/04858 03/12/1998 and said 10/100,683 01/30/2002 is a CIP of 09/853,161 05/11/2001 which claims benefit of 60/265,583 02/02/2001 and is a CIP of 09/152,060 09/11/1998 PAT 6,448,230 which is a CIP of PCT/US98/04858 03/12/1998 and said 10/100.683 01/30/2002 is a CIP of 09/852,797 05/11/2001 PAT 6,878,806 which claims benefit of 60/265,583 02/02/2001 and is a CIP of 09/152,060 09/11/1998 PAT 6,448,230 which is a CIP of PCT/US98/04858 03/12/1998 and said 10/100,683 01/30/2002 is a CIP of 09/152.060 09/11/1998 PAT 6.448.230 which is a CIP of PCT/US98/04858 03/12/1998 and said 10/100,683 01/30/2002 is a CIP of PCT/US98/04858 03/12/1998 which claims benefit of 60/040,762 03/14/1997 and claims benefit of 60/040,710 03/14/1997 and claims benefit of 60/050,934 05/30/1997 and claims benefit of 60/048,100 05/30/1997 and claims benefit of 60/048,357 05/30/1997 (*)Data provided by applicant is not consistent with PTO records. and said PCT/US98/04858 claims benefit of 60/048,189 05/30/1997 and claims benefit of 60/057,765 09/05/1997 and claims benefit of 60/048,970 06/06/1997 and claims benefit of 60/068,368 12/19/1997 and said 10/100,683 is a CIP of 10/059,395 01/31/2002 ABN which is a DIV of 09/966,262 10/01/2001 ABN which is a CON of 09/154,707 09/17/1998 ABN which is a CIP of PCT/US98/05311 03/19/1998 ABN and said 10/100,683 is a CIP of 09/984,245 10/29/2001 ABN which is a DIV of 09/154,707 09/17/1998 ABN which is a CIP of PCT/US98/05311 03/19/1998 ABN and said 10/100.683 is a CIP of 09/983,966 10/26/2001 ABN which is a DIV of 09/154,707 09/17/1998 ABN which is a CIP of PCT/US98/05311 03/19/1998 ABN and said 10/100,683 is a CIP of 09/966,262 10/01/2001 ABN which is a CON of 09/154,707 09/17/1998 ABN which is a CIP of PCT/US98/05311 03/19/1998 ABN and said 10/100,683 is a CIP of 09/154,707 09/17/1998 ABN which is a CIP of PCT/US98/05311 03/19/1998 ABN and said 10/100,683 is a CIP of PCT/US98/05311 03/19/1998 ABN which claims benefit of 60/041,277 03/21/1997 and claims benefit of 60/042,344 03/21/1997 ABN and claims benefit of 60/041,276 03/21/1997 and claims benefit of 60/041,281 03/21/1997 and claims benefit of 60/048,094 05/30/1997 and claims benefit of 60/048,350 05/30/1997 and claims benefit of 60/048,188 05/30/1997 and claims benefit of 60/048.135 05/30/1997 and claims benefit of 60/050,937 05/30/1997 and claims benefit of 60/048,187 05/30/1997 and claims benefit of 60/048,099 05/30/1997 and claims benefit of 60/048,352 05/30/1997 and claims benefit of 60/048,186 05/30/1997

and claims benefit of 60/048,069 05/30/1997

and claims benefit of 60/048,095 05/30/1997 and claims benefit of 60/048,131 05/30/1997 and claims benefit of 60/048,096 05/30/1997 and claims benefit of 60/048,355 05/30/1997 and claims benefit of 60/048,160 05/30/1997 and claims benefit of 60/048,351 05/30/1997 and claims benefit of 60/048,154 05/30/1997 and claims benefit of 60/054,804 08/05/1997 and claims benefit of 60/056,370 08/19/1997 and claims benefit of 60/060,862 10/02/1997 and said 10/100,683 is a CIP of 09/814,122 03/22/2001 ABN which is a CON of 09/577,145 05/24/2000 ABN which is a CON of 09/166,780 10/06/1998 ABN which is a CIP of PCT/US98/06801 04/07/1998 and said 10/100.683 is a CIP of PCT/US98/06801 04/07/1998 which claims benefit of 60/042,726 04/08/1997 and said PCT/US98/06801 04/07/1998 claims benefit of 60/042,727 04/08/1997 and claims benefit of 60/042,728 04/08/1997 and claims benefit of 60/042,754 04/08/1997 and claims benefit of 60/042,825 04/08/1997 and claims benefit of 60/048,068 05/30/1997 and claims benefit of 60/048.070 05/30/1997 and claims benefit of 60/048,184 05/30/1997 and said 10/100,683 04/07/1998 is a CIP of PCT/US98/06801 04/07/1998 which claims benefit of 60/042,726 04/08/1997 and claims benefit of 60/042,727 04/08/1997 and claims benefit of 60/042,728 04/08/1997 and claims benefit of 60/042,754 04/08/1997 and claims benefit of 60/042,825 04/08/1997 and claims benefit of 60/048,068 05/30/1997 and claims benefit of 60/048,070 05/30/1997 and claims benefit of 60/048,184 05/30/1997 and said 10/100,683 04/07/1998 is a CIP of PCT/US98/10868 05/28/1998 which claims benefit of 60/044,039 05/30/1997 and claims benefit of 60/048,093 05/30/1997 and claims benefit of 60/048.190 05/30/1997 and claims benefit of 60/050,935 05/30/1997 and claims benefit of 60/048,101 05/30/1997 and claims benefit of 60/048,356 05/30/1997 and claims benefit of 60/056,250 08/29/1997 and claims benefit of 60/056,296 08/29/1997 and claims benefit of 60/056,293 08/29/1997 and said 10/100.683 04/07/1998 is a CIP of PCT/US98/11422 06/04/1998 which claims benefit of 60/048,885 06/06/1997 and claims benefit of 60/049,375 06/06/1997 and claims benefit of 60/048,881 06/06/1997 and claims benefit of 60/048,880 06/06/1997 and claims benefit of 60/048,896 06/06/1997 and claims benefit of 60/049,020 06/06/1997 and claims benefit of 60/048,876 06/06/1997 and claims benefit of 60/048,895 06/06/1997 and claims benefit of 60/048.884 06/06/1997 and claims benefit of 60/048.894 06/06/1997 and claims benefit of 60/048,971 06/06/1997 and claims benefit of 60/048,964 06/06/1997 and claims benefit of 60/048,882 06/06/1997 and claims benefit of 60/048,899 06/06/1997 and claims benefit of 60/048,893 06/06/1997 and claims benefit of 60/048,900 06/06/1997 and claims benefit of 60/048,901 06/06/1997 and claims benefit of 60/048,892 06/06/1997 and claims benefit of 60/048,915 06/06/1997

and claims benefit of 60/048,970 06/06/1997 and claims benefit of 60/048,972 06/06/1997 and claims benefit of 60/048,916 06/06/1997 and claims benefit of 60/048,916 06/06/1997 and said PCT/US98/11422 claims benefit of 60/049,373 06/06/1997 and claims benefit of 60/048,875 06/06/1997 and claims benefit of 60/048,974 06/06/1997 and claims benefit of 60/048,917 06/06/1997 and claims benefit of 60/048,949 06/06/1997 and claims benefit of 60/048,894 06/06/1997 and claims benefit of 60/048,897 06/06/1997 and claims benefit of 60/048,893 06/06/1997 and claims benefit of 60/048,898 06/06/1997 and claims benefit of 60/048,898 06/06/1997 and claims benefit of 60/048,896 06/06/1997 and claims benefit of 60/048,963 06/06/1997 and claims benefit of 60/048,877 06/06/1997 and claims benefit of 60/048,877 06/06/1997 and claims benefit of 60/048,877 06/06/1997 and claims benefit of 60/048,878 06/06/1997 and claims benefit of 60/057,645 09/05/1997								
** FOREIGN APPLICATIONS ************************************								
IF REQUIRED, FOREIGN FILING LICENSE GRANTED								
Foreign Priority claimed yes yes	STATE OR	SHEETS	TOTAL	INDEPENDENT				
35 USC 119 (a-d) conditions met yes no Met after Allowance Verified and Acknowledged Examiner's Signature Initials	COUNTRY MD	DRAWING 0	CLAIMS 24	CLAIMS 4				
ADDRESS 22195 HUMAN GENOME SCIENCES INC INTELLECTUAL PROPERTY DEPT. 14200 SHADY GROVE ROAD ROCKVILLE, MD 20850								
TITLE 195 human secreted proteins Blynicles tibles Encoding Human Genetal Aster								
		□ All F	ees					
FILING FEE FEES: Authority has been given in Pape	er	☐ 1.17	1.16 Fees (Filing) 1.17 Fees (Processing Ext. of					
No to charge/credit DEPOS RECEIVED No for following:		time)						
1036		Othe	Other					
☐ Credit								